

From: [Todd Wegner](#)
To: [Dan Connally](#)
Subject: FW: Kailua WWTP Entero. and Nutrient Data 2008-2012
Date: Monday, April 01, 2013 3:31:19 PM
Attachments: [Kailua Monitoring Stations.pdf](#)

Dilution

Todd Wegner
PG Environmental, LLC
703-707-8258 Ext. 105

From: Wienand, Bryan [mailto:bwienand@honolulu.gov]
Sent: Tuesday, December 04, 2012 4:25 PM
To: Todd Wegner
Subject: RE: Kailua WWTP Entero. and Nutrient Data 2008-2012

Todd,

Please see the attached map for the Kailua shoreline, nearshore, and offshore monitoring stations.

| Shoreline Stations | Coordinates (Latitude; Longitude) |
|-------------------------|-----------------------------------|
| North Beach | 21° 27' 14.4" N; 157° 44' 24.0" W |
| MS1 (Fort Hase) | 21° 26' 40.0" N; 157° 44' 10.6" W |
| MS2 (Kapoho Point) | 21° 25' 30.8" N; 157° 44' 24.2" W |
| Oneawa Beach | 21° 25' 06.0" N; 157° 44' 39.3" W |
| Kalama Beach | 21° 24' 20.1" N; 157° 44' 19.9" W |
| MS3 (Kailua Beach) | 21° 23' 54.8" N; 157° 43' 38.2" W |
| MS4 (Lanikai Boat Ramp) | 21° 23' 44.8" N; 157° 43' 19.7" W |

| Nearshore Stations | Coordinates (Latitude; Longitude) |
|--------------------|-----------------------------------|
| MN1 | 21° 27' 49.7" N; 157° 43' 55.5" W |
| MN2 | 21° 27' 08.0" N; 157° 43' 13.3" W |
| MN3 | 21° 25' 48.9" N; 157° 43' 50.2" W |
| MN4 | 21° 24' 32.0" N; 157° 43' 19.1" W |

| Offshore Stations | Coordinates (Latitude; Longitude) |
|-------------------|-----------------------------------|
| M1 | 21° 28' 13.4" N; 157° 43' 55.9" W |
| M2 | 21° 27' 18.4" N; 157° 42' 54.9" W |
| M3 | 21° 27' 17.0" N; 157° 42' 44.1" W |
| M4 | 21° 27' 03.3" N; 157° 42' 54.7" W |
| M5 | 21° 27' 08.7" N; 157° 43' 06.2" W |
| M6 | 21° 26' 35.6" N; 157° 42' 55.1" W |

Consistent with the Fact Sheet, the City monitors enterococci at the boundary of the ZOM - Stations M2, M3, M4, and M5.

Regarding the effective dilution, it appears as though the 117.84 was mistakenly referenced in the Kailua application because that value is the effective dilution for Waianae WWTP, not Kailua.

Thank you,
Bryan

Bryan Wienand

City and County of Honolulu

Department of Environmental Services

Monitoring and Compliance

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From: Todd Wegner [\[mailto:todd.wegner@pgenv.com\]](mailto:todd.wegner@pgenv.com)

Sent: Tuesday, December 04, 2012 9:00 AM

To: Wienand, Bryan

Subject: RE: Kailua WWTP Entero. and Nutrient Data 2008-2012

Hi Bryan,

Thanks for getting this data to me so quickly. Do you have coordinates for these stations by any chance?

Also, in the ZOM application it says in the Annotations page (response 16.b) that effective dilution remains the same at 117.84. I have looked through the permit, fact sheet, and pg 101 of the *Technical Review of the Kaneohe, Kailua, and Ahuimanu Wastewater Treatment Plants Section 301(h) Application for Modification of Secondary Treatment Requirements for Discharge into Marine Waters* (June 1985) and have not been able to find any reference to that value of 117.84. Can you get me any information on where the dilution of 117.84 came from? The current permit uses 186 for calculating the chronic toxicity limitation.

Thanks for your help.

Todd Wegner

PG Environmental, LLC

703-707-8258 Ext. 105

From: Wienand, Bryan [\[mailto:bwienand@honolulu.gov\]](mailto:bwienand@honolulu.gov)

Sent: Monday, December 03, 2012 8:20 PM

To: Todd Wegner

Subject: Kailua WWTP Entero. and Nutrient Data 2008-2012

Todd,

Please see the attached spreadsheets for the Kailua WWTP data you requested. If you have any questions or would like any other data, please feel free to contact me.

Thanks,
Bryan

Bryan Wienand

City and County of Honolulu

Department of Environmental Services

Monitoring and Compliance

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